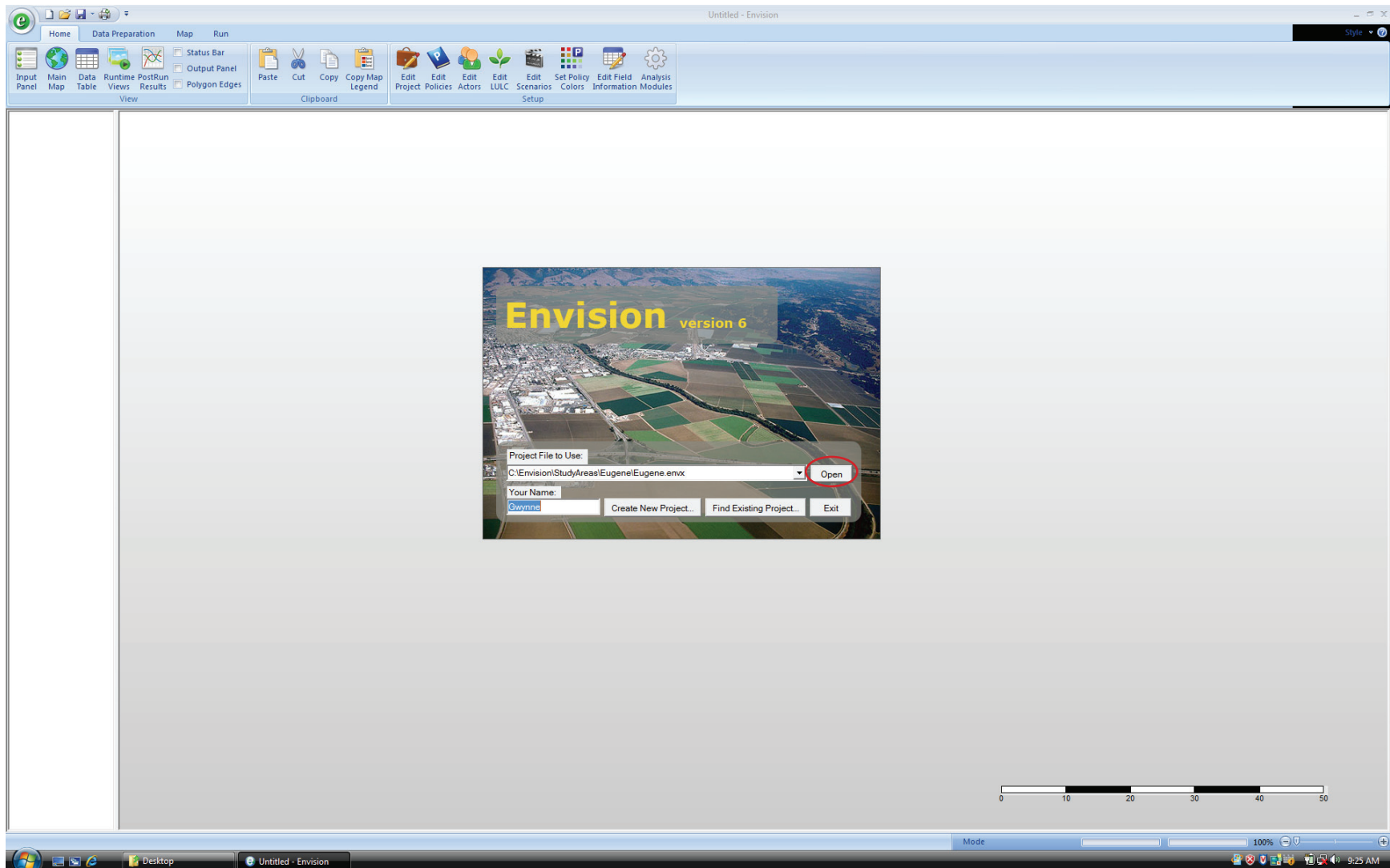
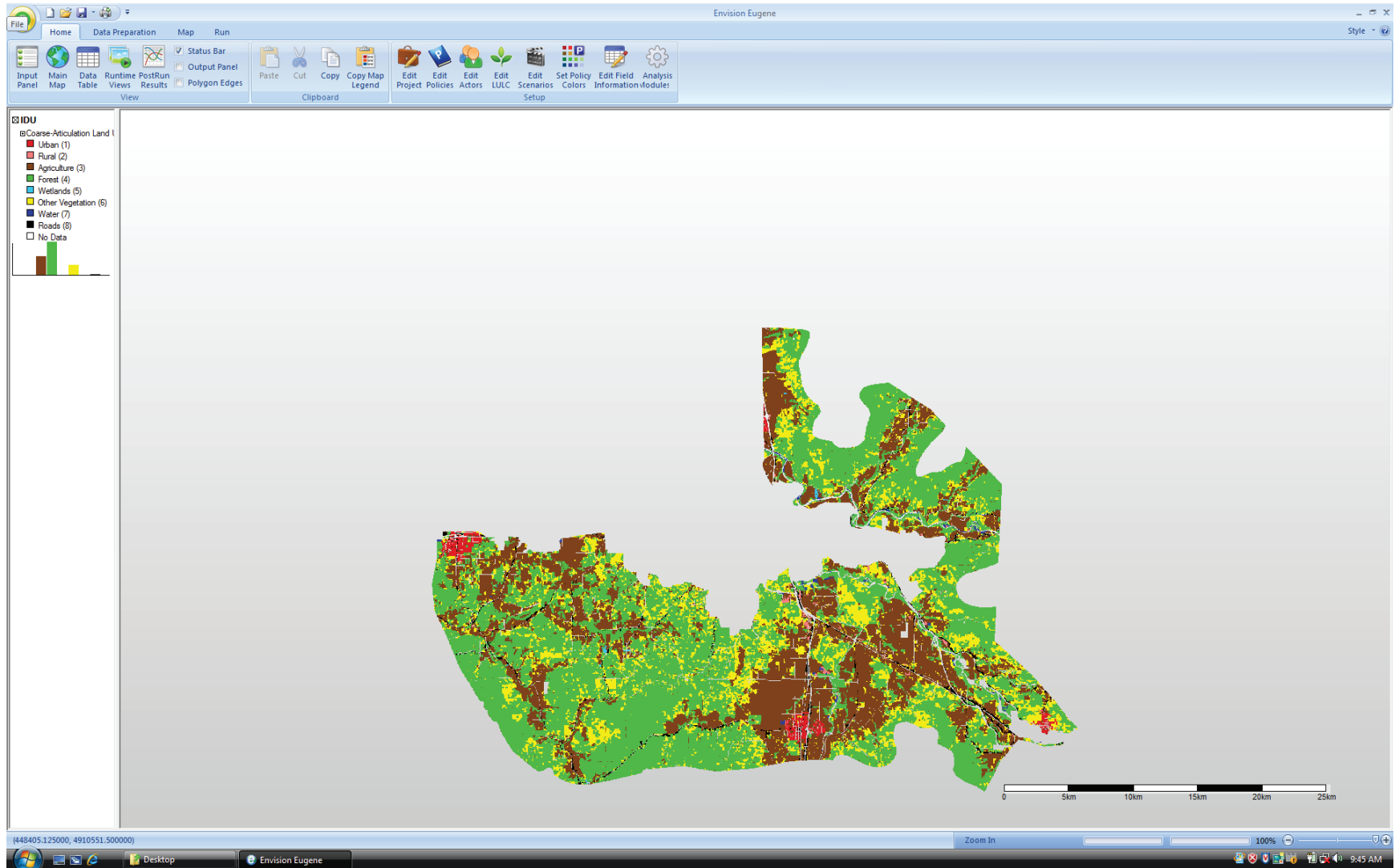


Opening ENVISION



“Home” tab - initial view



Changing the displayed field attribute

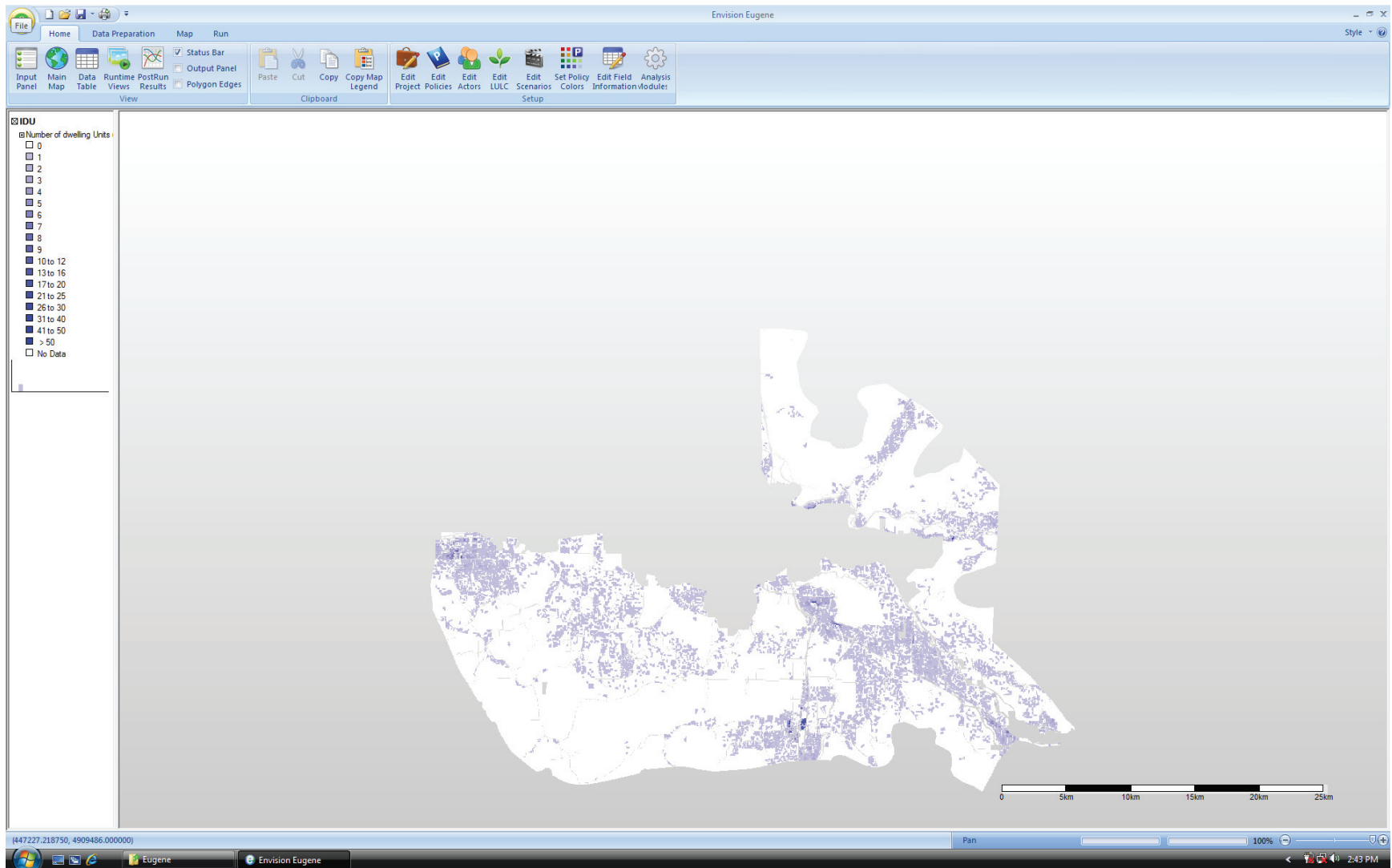
Or right-click anywhere in the grey space to access the field list

Right-click on any IDU for this context menu

Properties for this Site

- Show Policies for this Site
- Show Deltas for this Site
- Plot Attribute Values from most recent Run
- Reclassify Data
- Show Polygons with the Same Attribute
- Run Query on this Polygon
- Show Polygon Vertices
- Zoom to this Polygon
- Fields**

- Coarse-Articulation Land Use
- Mid-Articulation Land Use
- Fine-Articulation Land Use
- VDDT Veg Class ID
- Population Density (#/m2)
- Population Density 2000 (#/sq mi)
- Population Capacity (#)
- Available Population Capacity (#)
- % Population Availability
- Number of dwelling Units**
- Number of New dwelling Units
- Wildland/Urban Interface
- Conservation Status
- Management Status
- Conservation/Restoration Opportunity Areas
- Conservation/Restoration Opportunity Areas (COA)
- Stand Age
- Policy applied to this cell
- Expansion Policy
- Total Policys applied to this cell
- Area (m2)
- Aspect
- Site Index
- 100 yr Floodplain
- Urban Growth Boundaries
- Nearest Urban Growth Boundaries
- Dominant Presettlement Veg
- Fraction Presettlement Oak/Fir Forest
- Fraction Presettlement Oak/Fir Woodland
- Fraction Presettlement Oak Savanna
- Fraction Presettlement Upland Prairie
- Improvement Value (\$)
- Land Value (\$)
- Septic Suitability
- Average Slope (%)
- Soil Capability Class
- Disturbance
- Flame Length
- Public Lands
- Significant Wetlands area (m2)
- Distance to Roads (m)
- Distance to Major Roads
- Distance to Minor Roads
- Distance to Streams (m)
- Zone
- Initial Zoning
- Agent Class
- Taxlot Area (m2)
- UGB Expansion Priority
- Site Index
- PVT
- Distance to UG
- Ecocentric Actor Value
- Utilitarian Actor Value
- Property Rights Actor Value
- Financial Actor Value
- Climate Risk Averse Actor Value
- Fire Risk Averse Actor Value
- Additional Fields



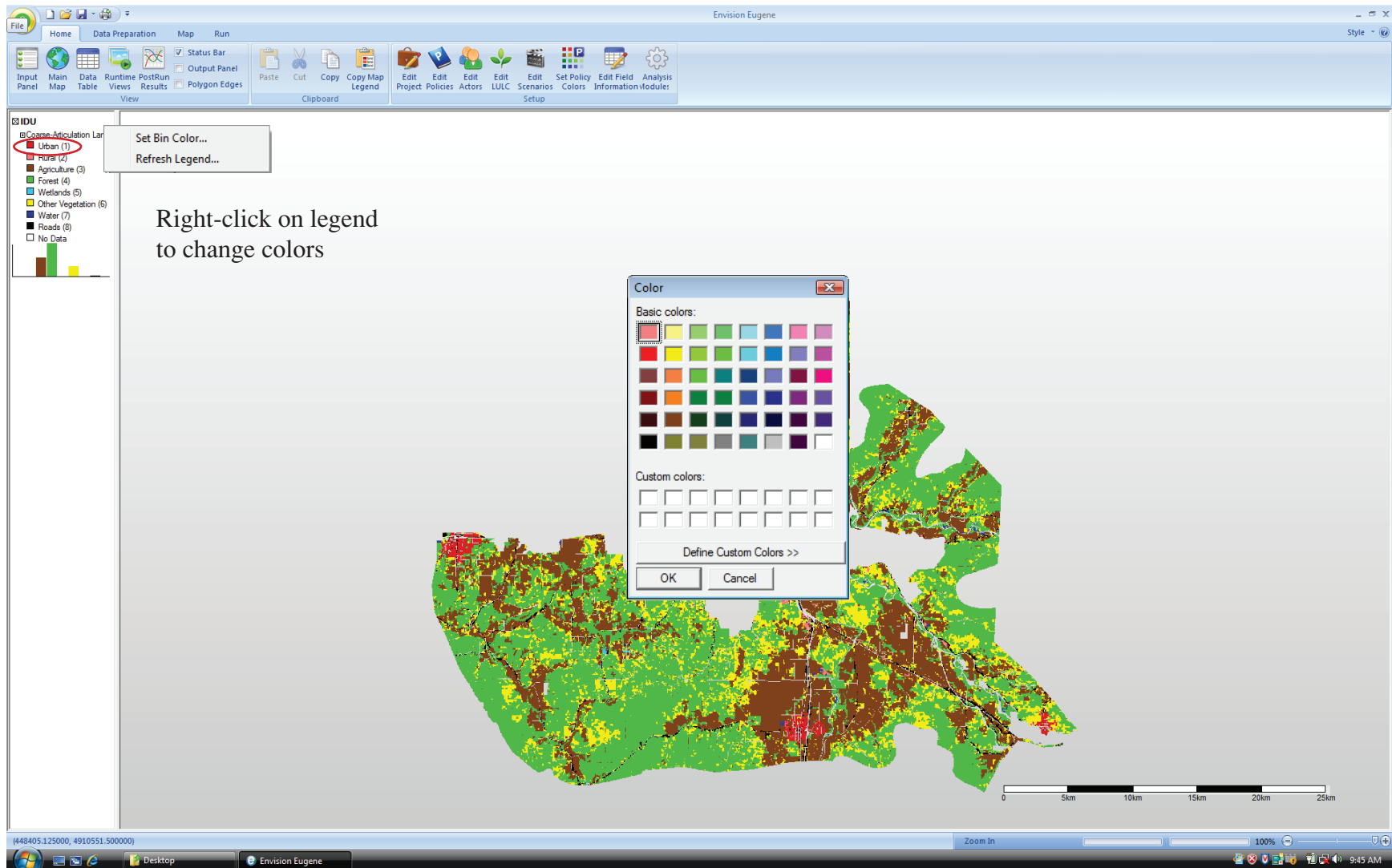
Finding more information about IDUs

Double-click on any IDU for information about it

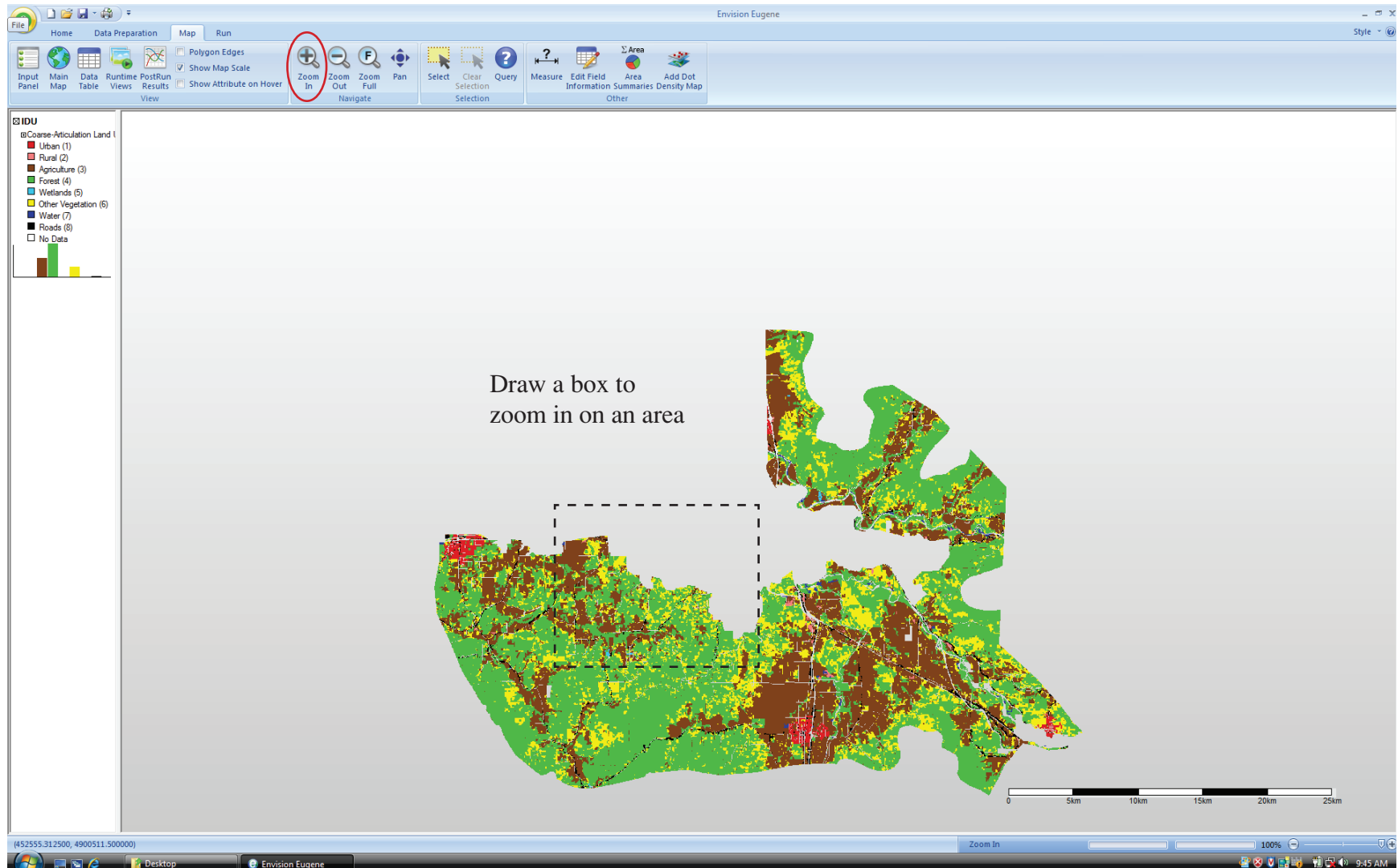
Polygon: 6413	
AREA (Area (m2))	27414.000000
PERIMETER	750.000000
EIDU4_	6417
EIDU4_ID	6416
SLOPEAV (Average Slope (%))	17.346001
ASPECT (Aspect)	9
CURSI (Site Index)	101.690002
SOILACCC (Soil Capability Class)	3E
SEPSUITPC (Septic Suitability)	0.908076
FUTSI (Site Index)	100
MUKEY	62619
MUKEY2	35823
LULC	56
DISTURB (Disturbance)	0
STANDAGE (Stand Age)	0
PSDOMCL (Dominant Presettlement ...)	42
PSUPPR (Fraction Presettlement Upla...)	0.000000
PSOAKSV (Fraction Presettlement Oa...)	0.000000
PSOAKFIRWD (Fraction Presettlemen...)	0.000000
PSOAKFIRFR (Fraction Presettlement ...)	0.000000
TAXLOTID	1703120000100
PCNTTL	0.089044
RMVLAND00 (Land Value (\$))	52416
RMVIMP00 (Improvement Value (\$))	0
TLAREA (Taxlot Area (m2))	307870.687500
IN_UGB (Urban Growth Boundaries)	0
FLD100 (100 yr Floodplain)	0
POPDEN00 (Population Density 2000 ...)	10.187000
MC1CELL	2511
MC1ROW	699
MC1COL	243
NUMRS	0
VEGLCLASS (VDDT Veg Class ID)	240
CTSS0	ddqfp

Flash Cell << Previous Cell Next Cell >>

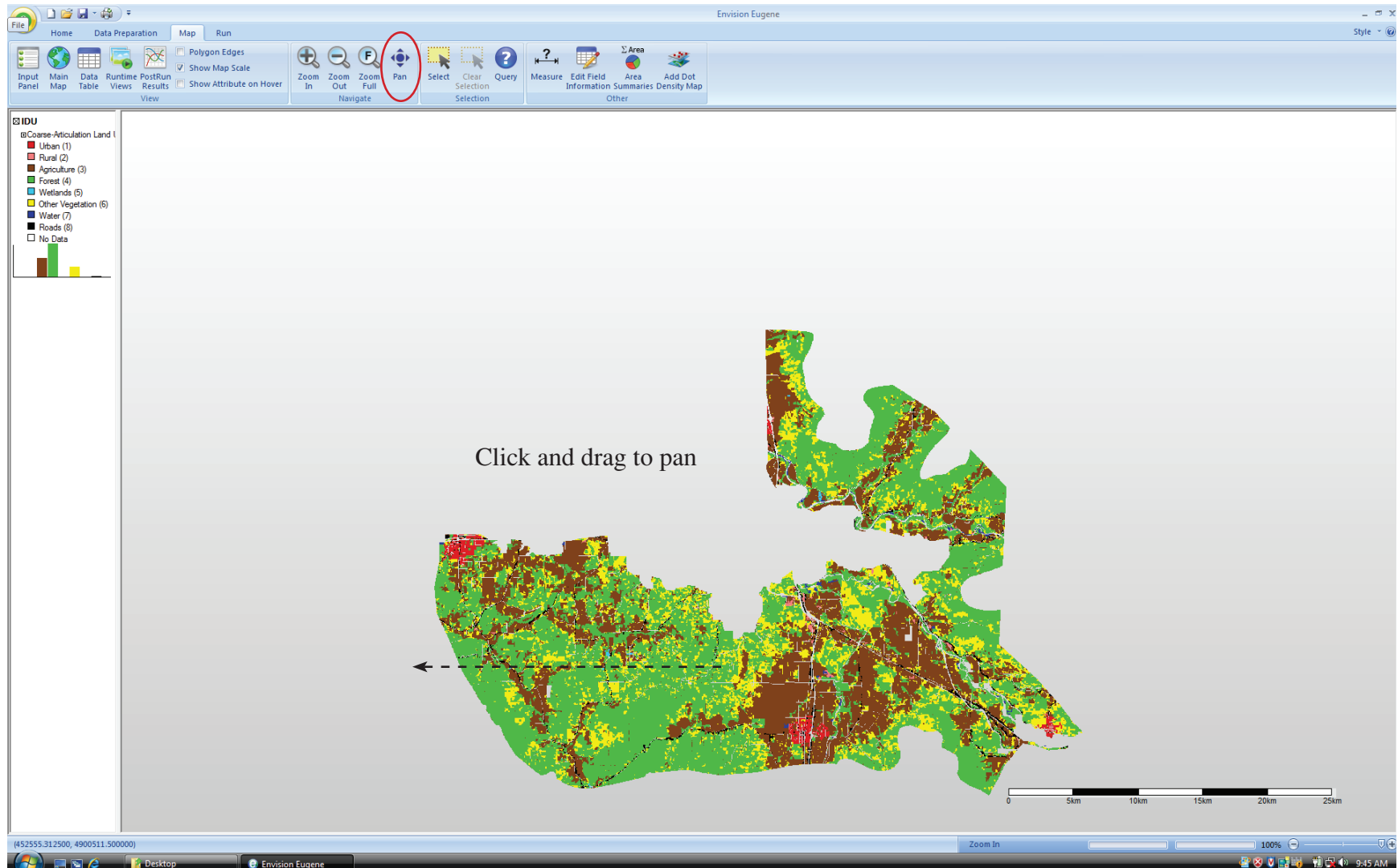
Changing attribute colors (if you are interested in one particular attribute and it is too hard to see)



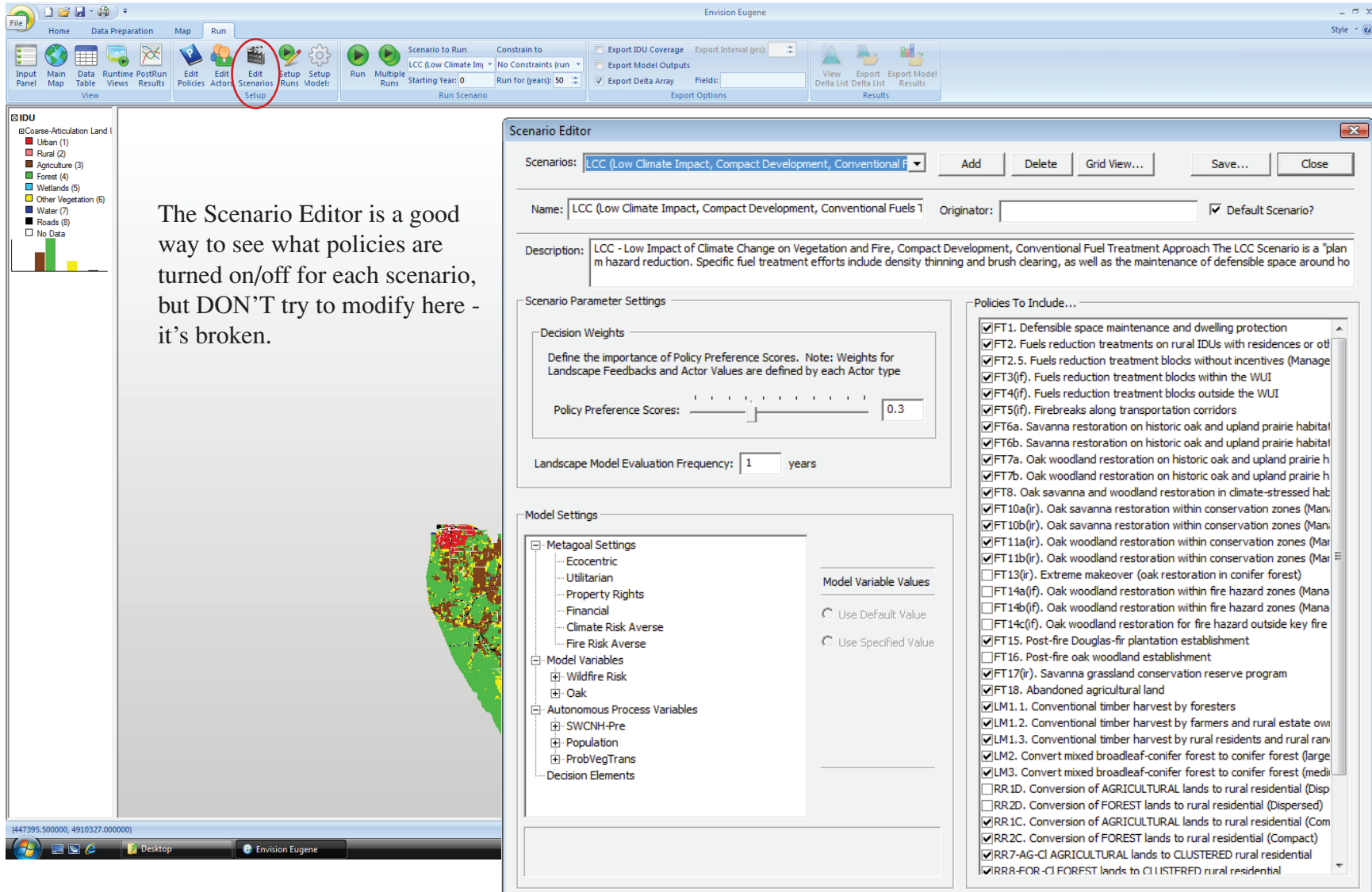
“Map” tab - zooming



“Map” tab - panning



“Run” tab - viewing scenarios



The Scenario Editor is a good way to see what policies are turned on/off for each scenario, but DON'T try to modify here - it's broken.

Scenario Editor

Scenarios: LCC (Low Climate Impact, Compact Development, Conventional Fuels 1) Add Delete Grid View... Save... Close

Name: LCC (Low Climate Impact, Compact Development, Conventional Fuels 1) Originator: Default Scenario?

Description: LCC - Low Impact of Climate Change on Vegetation and Fire, Compact Development, Conventional Fuel Treatment Approach The LCC Scenario is a "plan m hazard reduction. Specific fuel treatment efforts include density thinning and brush clearing, as well as the maintenance of defensible space around h

Scenario Parameter Settings

Decision Weights

Define the importance of Policy Preference Scores. Note: Weights for Landscape Feedbacks and Actor Values are defined by each Actor type

Policy Preference Scores: 0.3

Landscape Model Evaluation Frequency: 1 years

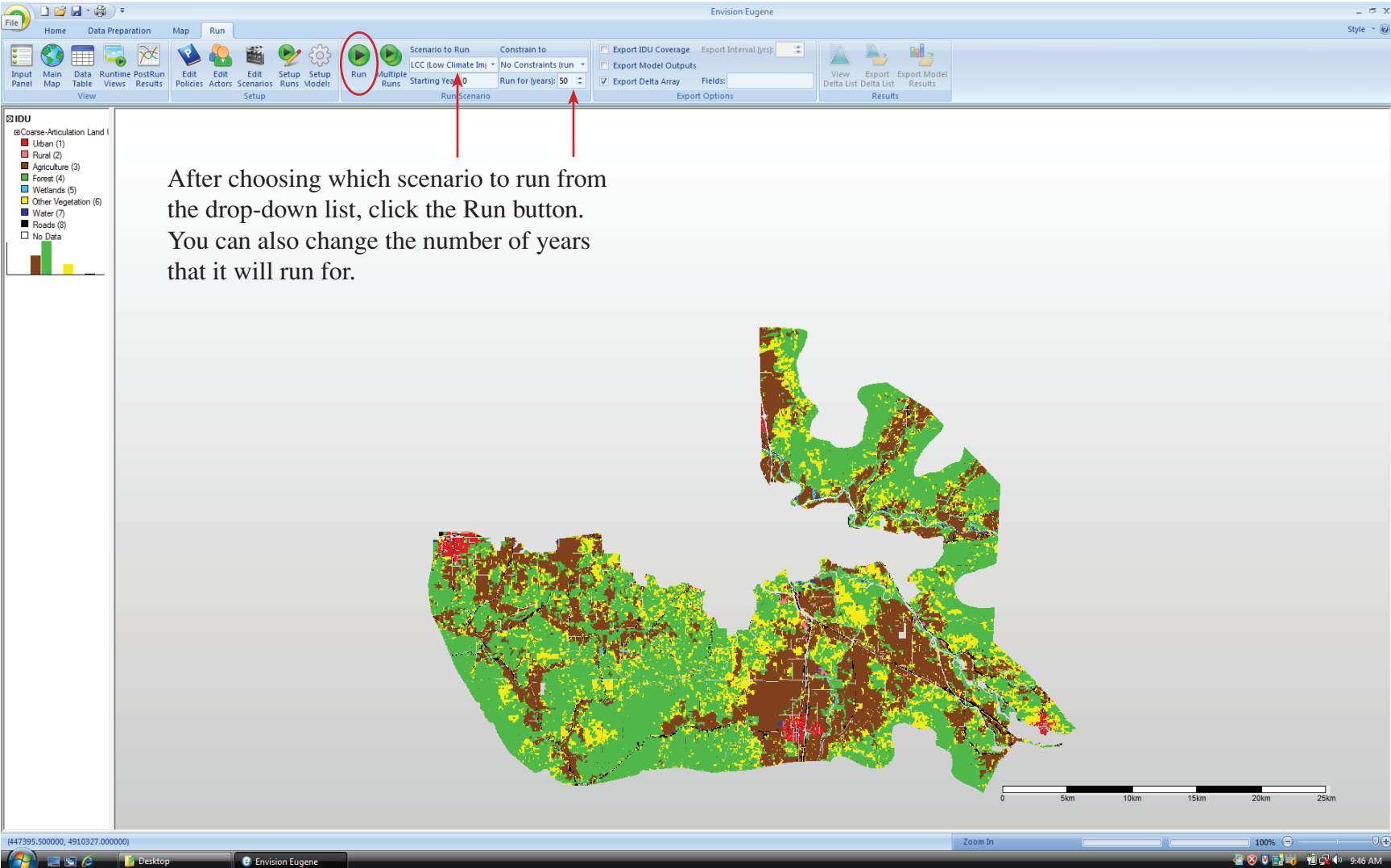
Model Settings

- Metagoal Settings
 - Ecocentric
 - Utilitarian
 - Property Rights
 - Financial
 - Climate Risk Averse
 - Fire Risk Averse
- Model Variables
 - Wildfire Risk
 - Oak
- Autonomous Process Variables
 - SWCNH-Pre
 - Population
 - ProbVegTrans
 - Decision Elements

Policies To Include...

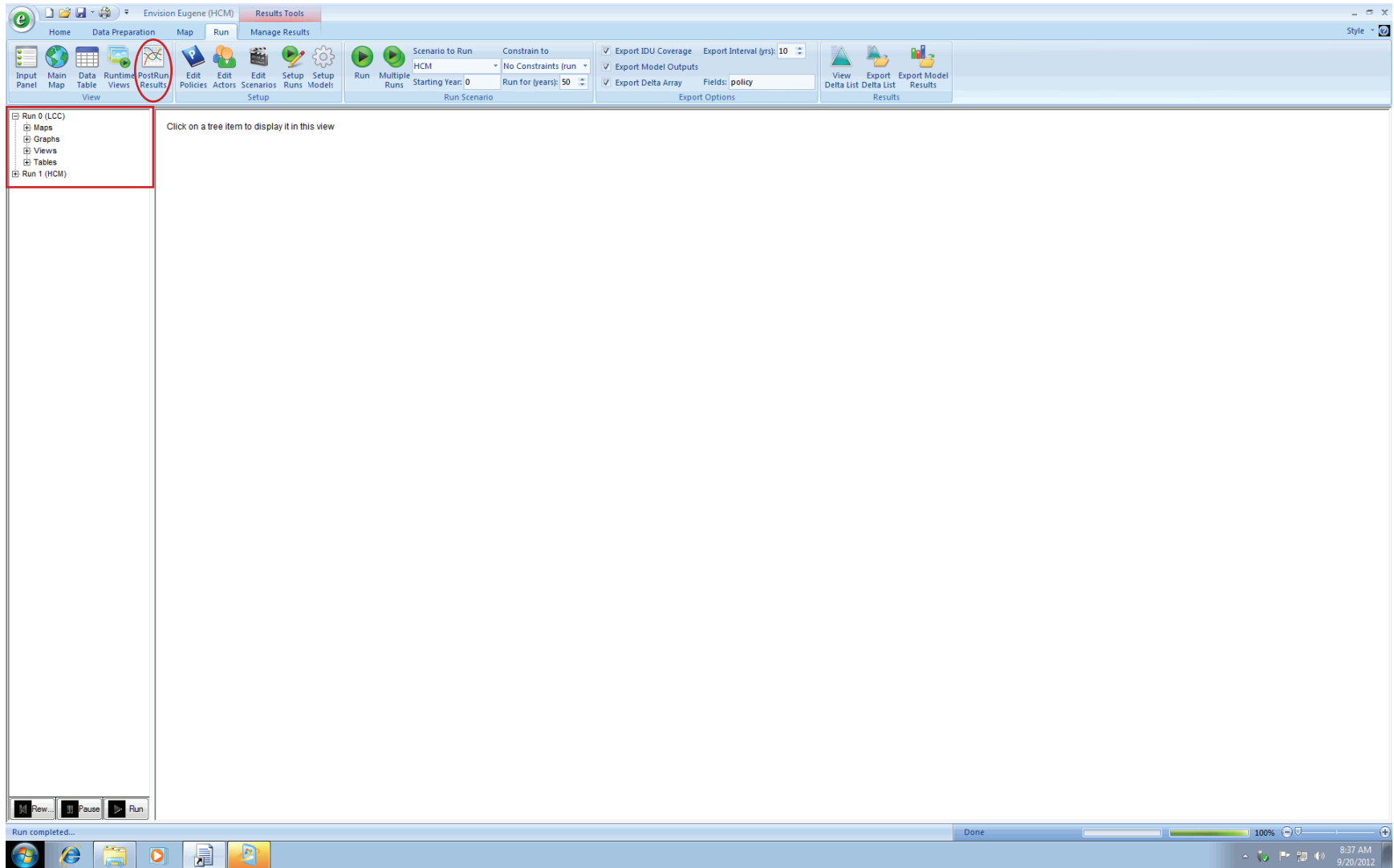
- FT1. Defensible space maintenance and dwelling protection
- FT2. Fuels reduction treatments on rural IDUs with residences or other
- FT2.5. Fuels reduction treatment blocks without incentives (Manage
- FT3(f). Fuels reduction treatment blocks within the WUI
- FT4(f). Fuels reduction treatment blocks outside the WUI
- FT5(f). Firebreaks along transportation corridors
- FT6a. Savanna restoration on historic oak and upland prairie habitat
- FT6b. Savanna restoration on historic oak and upland prairie habitat
- FT7a. Oak woodland restoration on historic oak and upland prairie h
- FT7b. Oak woodland restoration on historic oak and upland prairie h
- FT8. Oak savanna and woodland restoration in climate-stressed hab
- FT10a(r). Oak savanna restoration within conservation zones (Man
- FT10b(r). Oak savanna restoration within conservation zones (Man
- FT11a(r). Oak woodland restoration within conservation zones (Mar
- FT11b(r). Oak woodland restoration within conservation zones (Mar
- FT13(r). Extreme makeover (oak restoration in conifer forest)
- FT14a(f). Oak woodland restoration within fire hazard zones (Mana
- FT14b(f). Oak woodland restoration within fire hazard zones (Mana
- FT14c(f). Oak woodland restoration for fire hazard outside key fire
- FT15. Post-fire Douglas-fir plantation establishment
- FT16. Post-fire oak woodland establishment
- FT17(r). Savanna grassland conservation reserve program
- FT18. Abandoned agricultural land
- LM1.1. Conventional timber harvest by foresters
- LM1.2. Conventional timber harvest by farmers and rural estate own
- LM1.3. Conventional timber harvest by rural residents and rural ran
- LM2. Convert mixed broadleaf-conifer forest to conifer forest (large
- LM3. Convert mixed broadleaf-conifer forest to conifer forest (medi
- RR1D. Conversion of AGRICULTURAL lands to rural residential (Disp
- RR2D. Conversion of FOREST lands to rural residential (Dispersed)
- RR1C. Conversion of AGRICULTURAL lands to rural residential (Com
- RR2C. Conversion of FOREST lands to rural residential (Compact)
- RR7-AG-CI AGRICULTURAL lands to CLUSTERED rural residential
- RR8-FOR-CI FOREST lands to CI LUSTERED rural residential

“Run” tab - choosing scenarios and running the simulation

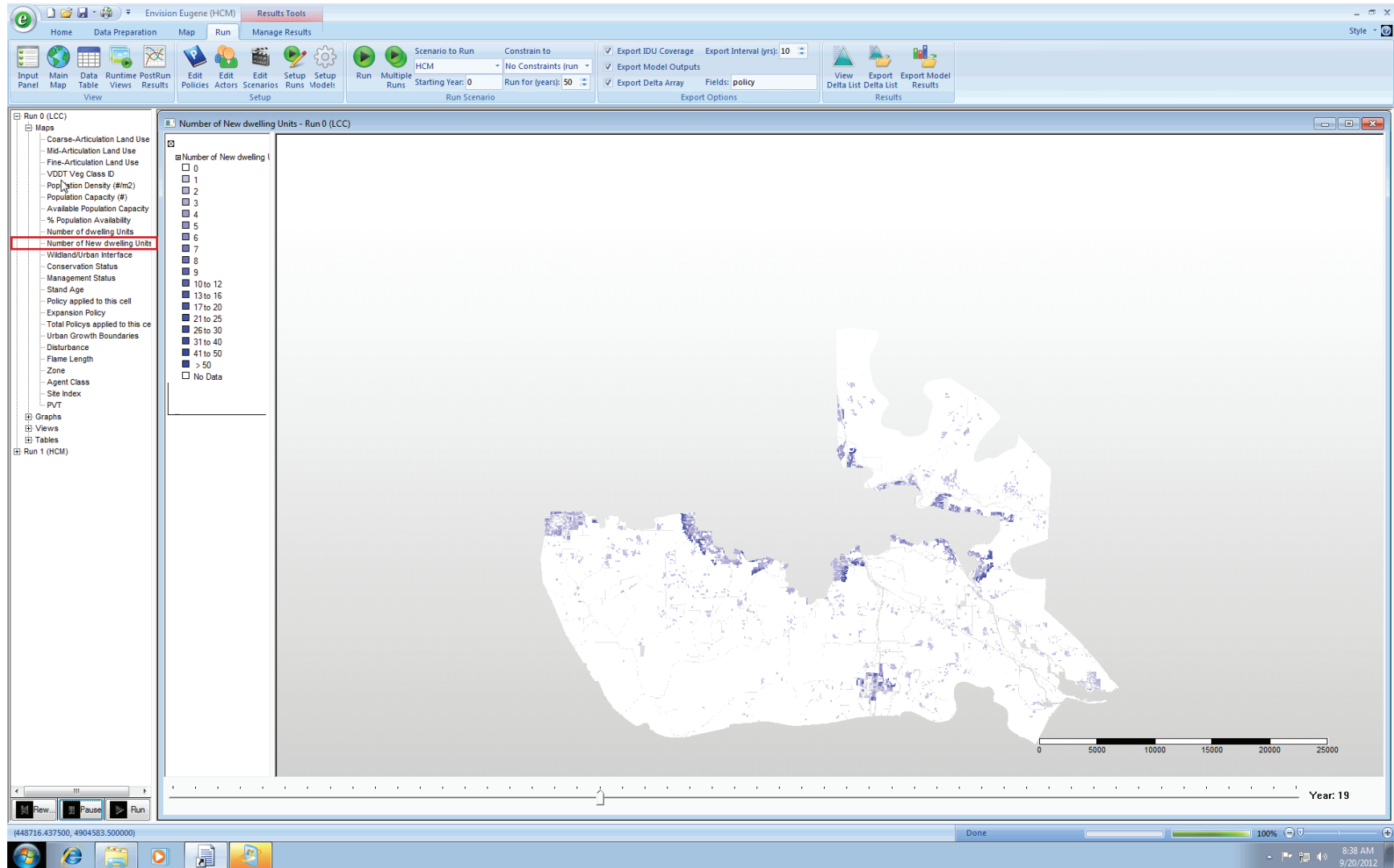


After choosing which scenario to run from the drop-down list, click the Run button. You can also change the number of years that it will run for.

Viewing Postrun Results



Viewing Postrun Results - Maps



Viewing Postrun Results - multiple Maps

The screenshot displays the Envision Eugene (HCM) Results Tools software interface. The main window is divided into four map panes, each showing a different result from a simulation run at Year 40. The left sidebar contains a legend for the selected map, and the top toolbar provides navigation and export options.

Number of New dwelling Units - Run 0 (LCC)
 Legend: Number of New dwelling Units (0 to > 50, No Data). The map shows a distribution of new dwelling units across the study area.

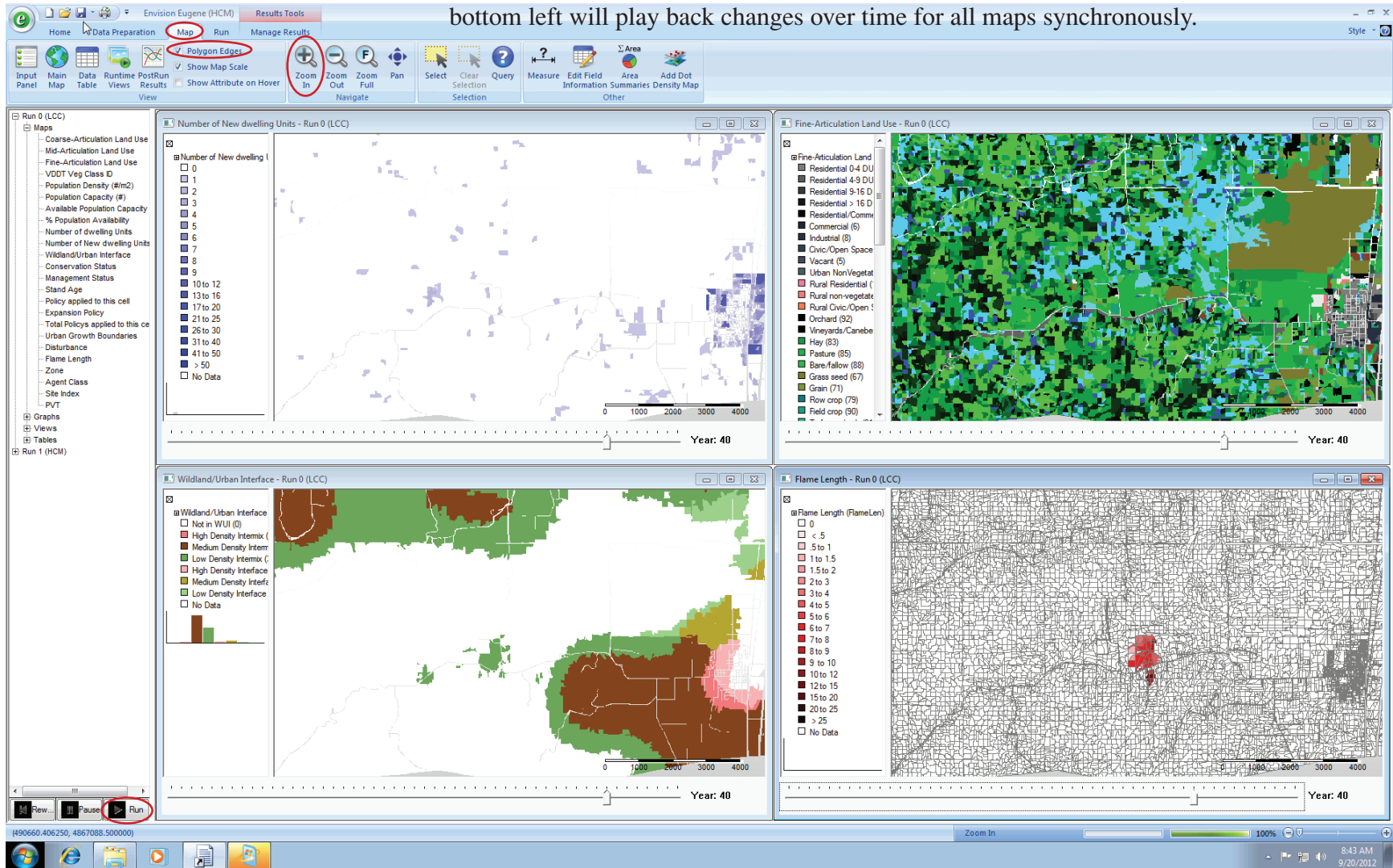
Fine-Articulation Land Use - Run 0 (LCC)
 Legend: Fine-Articulation Land Use (Residential 0-4 DU, Residential 4-9 DU, Residential 9-16 DU, Residential > 16 DU, Residential/Commercial, Commercial (6), Industrial (8), Civic/Open Space, Vacant (5), Urban NonVegetat, Rural Residential (1), Rural non-vegetat, Rural Civic/Open S, Orchard (32), Vineyards/Canebe, Hay (83), Pasture (85), Bare/fallow (88), Grass seed (67), Grain (71), Row crop (79), Field crop (90)). The map shows a complex pattern of land use types.

Wildland/Urban Interface - Run 0 (LCC)
 Legend: Wildland/Urban Interface (Not in WUII (0), High Density Interm, Medium Density Interm, Low Density Interm, High Density Interface, Medium Density Interface, Low Density Interface, No Data). The map shows the interface between urban areas and wildland.

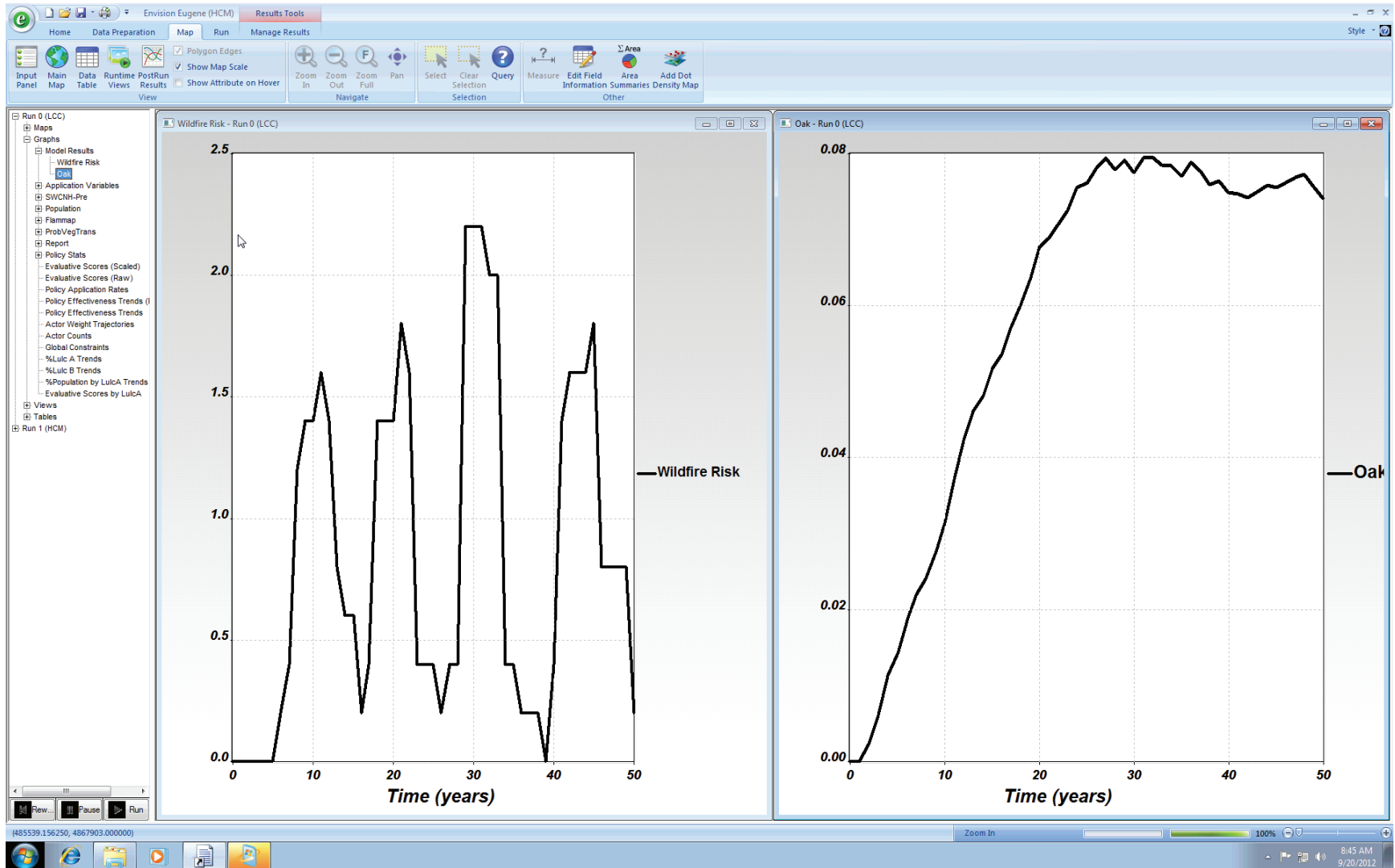
Flame Length - Run 0 (LCC)
 Legend: Flame Length (FlameLen) (0, < 5, 5 to 1, 1 to 1.5, 1.5 to 2, 2 to 3, 3 to 4, 4 to 5, 5 to 6, 6 to 7, 7 to 8, 8 to 9, 9 to 10, 10 to 12, 12 to 15, 15 to 20, 20 to 25, > 25, No Data). The map shows the length of flames across the study area.

Viewing Postrun Results - zooming, showing IDU boundaries and simulation playback

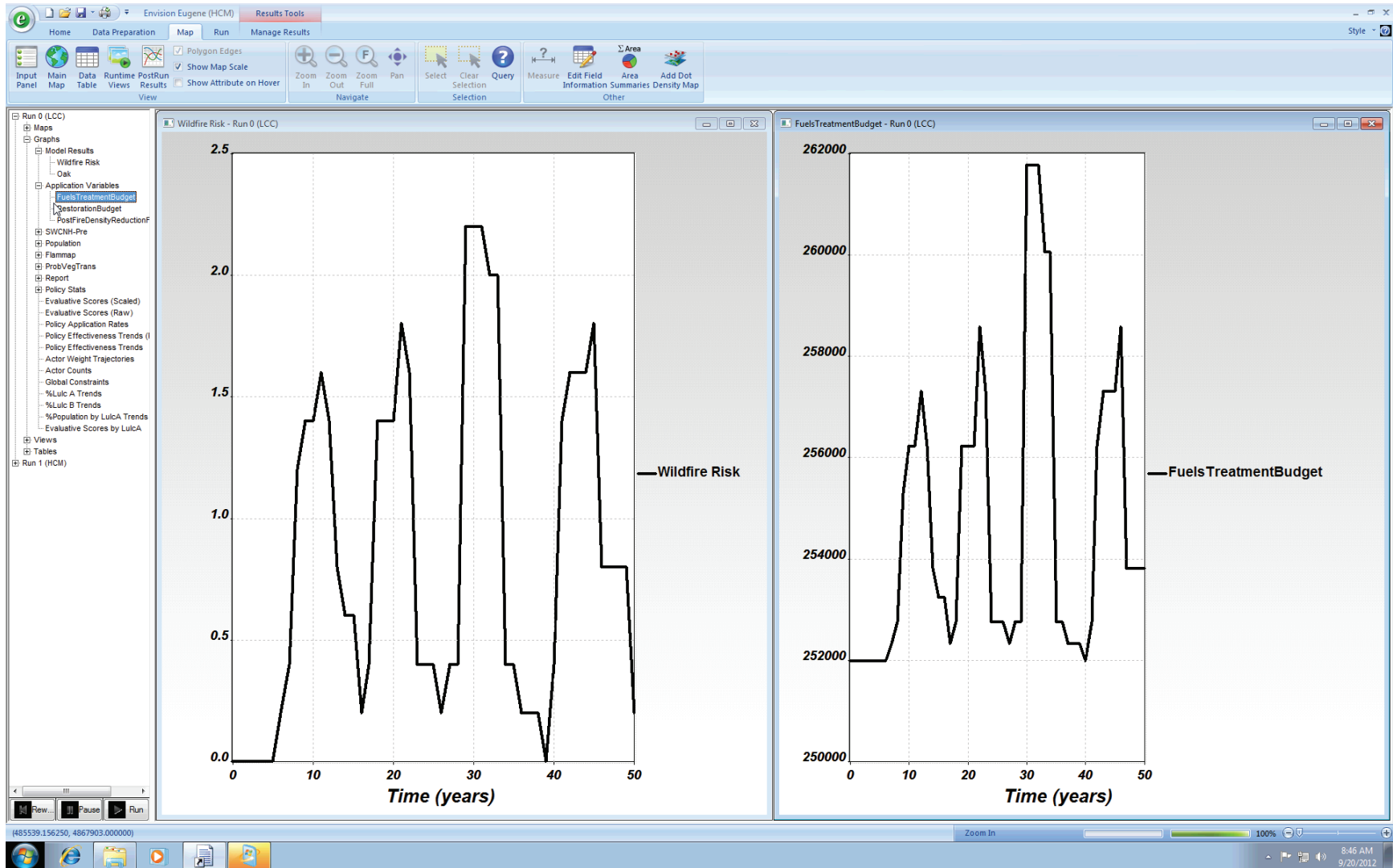
You can click back to the Map tab to control views; multiple maps will zoom and pan simultaneously. Checking Polygon Edges will show IDU boundaries. Clicking Run at the bottom left will play back changes over time for all maps synchronously.



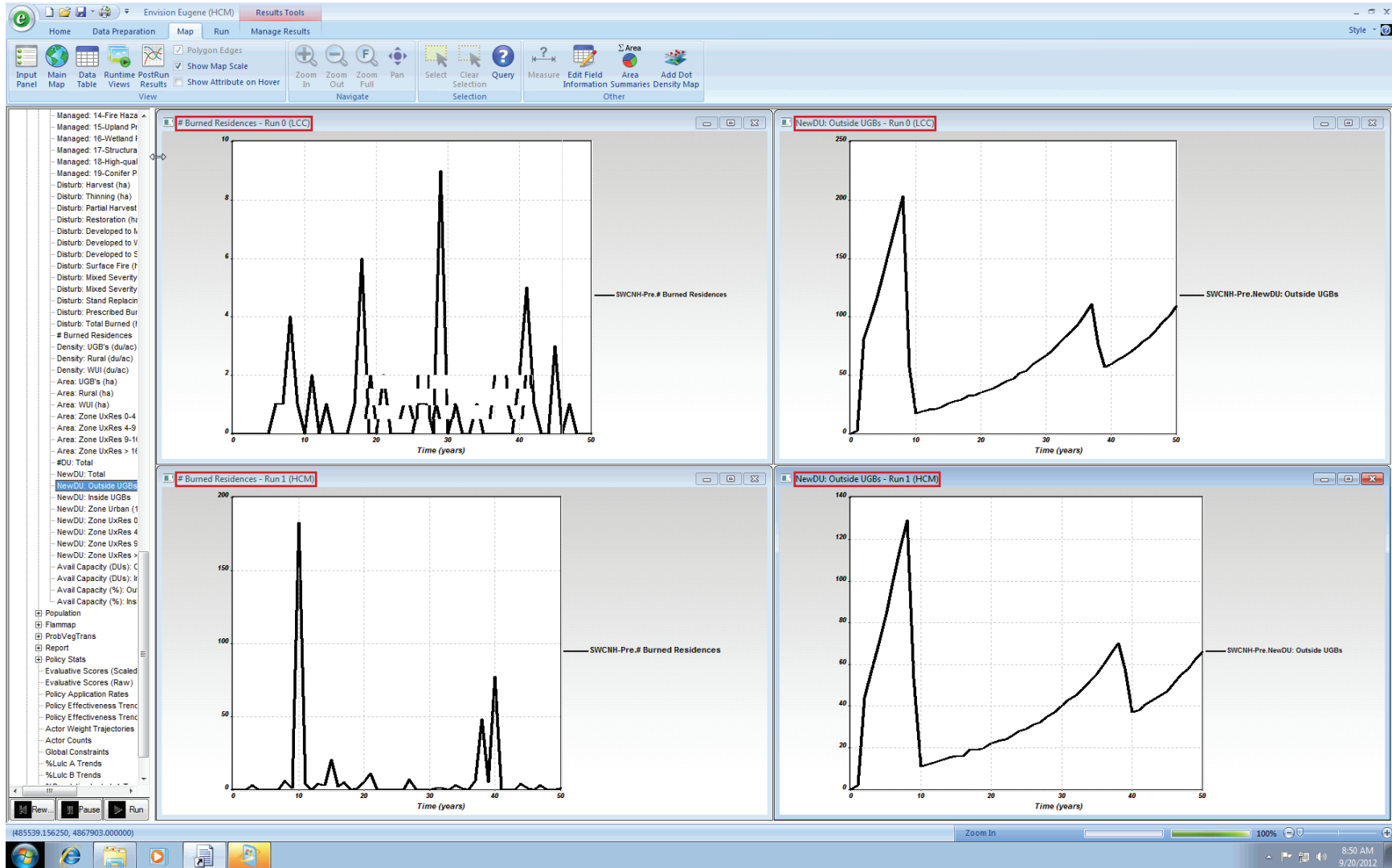
Viewing Postrun Results - comparing Graphs within a single scenario run



Viewing Postrun Results - comparing Graphs within a single scenario run



Viewing Postrun Results - comparing Graphs across multiple scenario runs



Viewing Postrun Results - Tables (especially Summary of Policy Applications)

The screenshot displays the RDC software interface with two summary tables for policy applications. The top table is for Run 0 (LCC) and the bottom table is for Run 1 (HCM). Both tables list various policies and their associated metrics.

Policy	Applied Count	Potential Area...	Actual Area (%)	Actual Area	% Potential A...	Expansion Area	Total Cost
FT0a. Initial Pasture Management Assignment - RR	2128	0	1	10624345	0	0	0
FT0a. Initial Pasture Management Assignment - MF	2309	0	2	20649470	0	0	0
FT0a. Initial Pasture Management Assignment - Farmer	4586	0	6	51773152	0	0	0
FT0a. Initial Pasture Management Assignment - Forester	2337	0	2	22810032	0	0	0
FT0a. Initial Pasture Management Assignment - RE	20	0	0	228292	0	0	0
FT1a. Defensible space maintenance and dwelling protection - All burnable vegclasses	56967	0	141	1103506304	0	0	0
FT1b. Defensible space maintenance and dwelling protection - grassland addition	34656	0	94	738599488	0	0	0
FT2. Fuels reduction treatments on rural IDUs with residences or other structures	544	0	1	9373644	0	0	696479
FT2.5. Fuels reduction treatment blocks without incentives (Manage=14)	153	0	0	1786627	0	5299891	541832
FT3(f). Fuels reduction treatment blocks within the WUI	1028	0	1	9674269	0	125578408	6059415
FT4(f). Fuels reduction treatment blocks outside the WUI	537	0	0	7023756	0	80924360	3257797
FT5(f). Firebreaks along transportation corridors	572	0	0	3806220	0	25817424	1741413
FT6aCON. Savanna restoration on historic oak and upland prairie habitats (Manage=10, Conventional)	100	0	0	770972	0	2774063	295774
FT6aMIXED. Savanna restoration on historic oak and upland prairie habitats (Manage=10, Mixed)	---	---	---	---	---	---	---
FT6bCON. Savanna restoration on historic oak and upland prairie habitats (Manage=11, Conventional)	32	0	0	117170	0	649638	165309
FT6bMIX. Savanna restoration on historic oak and upland prairie habitats (Manage=11, Mixed)	---	---	---	---	---	---	---
FT7aCON. Oak woodland restoration on historic oak and upland prairie habitats (Manage=12, Conventional)	57	0	0	666876	0	1337346	132308
FT7aMIX. Oak woodland restoration on historic oak and upland prairie habitats (Manage=12, Mixed)	---	---	---	---	---	---	---
FT7bCON. Oak woodland restoration on historic oak and upland prairie habitats (Manage=13, Conventional)	45	0	0	431017	0	1099636	257673
FT7bMIX. Oak woodland restoration on historic oak and upland prairie habitats (Manage=13, Mixed)	---	---	---	---	---	---	---
FT9. Oak woodlands and upland restoration in climate stressed habitats	15	0	0	760117	0	222072	41900

Policy	Applied Count	Potential Area...	Actual Area (%)	Actual Area	% Potential A...	Expansion Area	Total Cost
FT0a. Initial Pasture Management Assignment - RR	1889	0	1	9387739	0	0	0
FT0a. Initial Pasture Management Assignment - MF	1965	0	2	17686392	0	0	0
FT0a. Initial Pasture Management Assignment - Farmer	5152	0	7	55909764	0	0	0
FT0a. Initial Pasture Management Assignment - Forester	2354	0	2	22873070	0	0	0
FT0a. Initial Pasture Management Assignment - RE	20	0	0	228292	0	0	0
FT1a. Defensible space maintenance and dwelling protection - All burnable vegclasses	53879	0	135	1054304576	0	0	0
FT1b. Defensible space maintenance and dwelling protection - grassland addition	41488	0	110	862833024	0	0	0
FT2. Fuels reduction treatments on rural IDUs with residences or other structures	480	0	1	8823550	0	0	662522
FT2.5. Fuels reduction treatment blocks without incentives (Manage=14)	191	0	0	2092500	0	6281431	783368
FT3(f). Fuels reduction treatment blocks within the WUI	678	0	0	6546973	0	75763032	2781440
FT4(f). Fuels reduction treatment blocks outside the WUI	402	0	0	5116883	0	55702400	1511641
FT5(f). Firebreaks along transportation corridors	378	0	0	2380546	0	14322297	494669
FT6aCON. Savanna restoration on historic oak and upland prairie habitats (Manage=10, Conventional)	---	---	---	---	---	---	---
FT6aMIXED. Savanna restoration on historic oak and upland prairie habitats (Manage=10, Mixed)	428	0	0	2315394	0	9215953	1034152
FT6bCON. Savanna restoration on historic oak and upland prairie habitats (Manage=11, Conventional)	---	---	---	---	---	---	---
FT6bMIX. Savanna restoration on historic oak and upland prairie habitats (Manage=11, Mixed)	182	0	0	1051805	0	4034118	945494
FT7aCON. Oak woodland restoration on historic oak and upland prairie habitats (Manage=12, Conventional)	---	---	---	---	---	---	---
FT7aMIX. Oak woodland restoration on historic oak and upland prairie habitats (Manage=12, Mixed)	277	0	0	2868497	0	7418899	862097